

THE IMPACT OF POLICIES ON FOOD SECURITY STATUS USING THE PEDA MODEL: A CASE STUDY OF BOTSWANA, CAMEROON AND ETHIOPIA

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Population, Environment, Development and Agriculture (PEDA) Model is an interactive computer simulation model (developed for MS-Windows), demonstrating the medium to long-term impacts of alternative national policies on the food security status of the population. Through the manipulation of scenario variables, the model enables the user to project the proportion of the population that will be food secure and food insecure for a chosen point in time. As food security is a factor of developments in the field of population, agriculture, the environment and socio-economic development, the model demonstrates the relationships between these fields as well. There is an HIV/AIDS component that illustrates its impact on the other variables in the model. The PEDA, therefore, is a model that gives answers to a wide range of policy questions regarding the nexus interactions.

The Model has been initialized for three countries, namely, Ethiopia, Cameroon and Botswana and the results from these countries will be presented.